

FIGURE 6.52 ■ Missing-View Problems. Using Layout A-2 or 3 or Layout A4-2 or 3 (adjusted), sketch or draw with instruments the given views, and add the missing view, as shown in Figs. 6.50 and 6.51. If dimensions are required, study §§11.1–11.25. Use metric or decimal-inch dimensions as assigned by the instructor. Move dimensions to better locations where possible. In Probs. 1–5, all surfaces are normal surfaces.

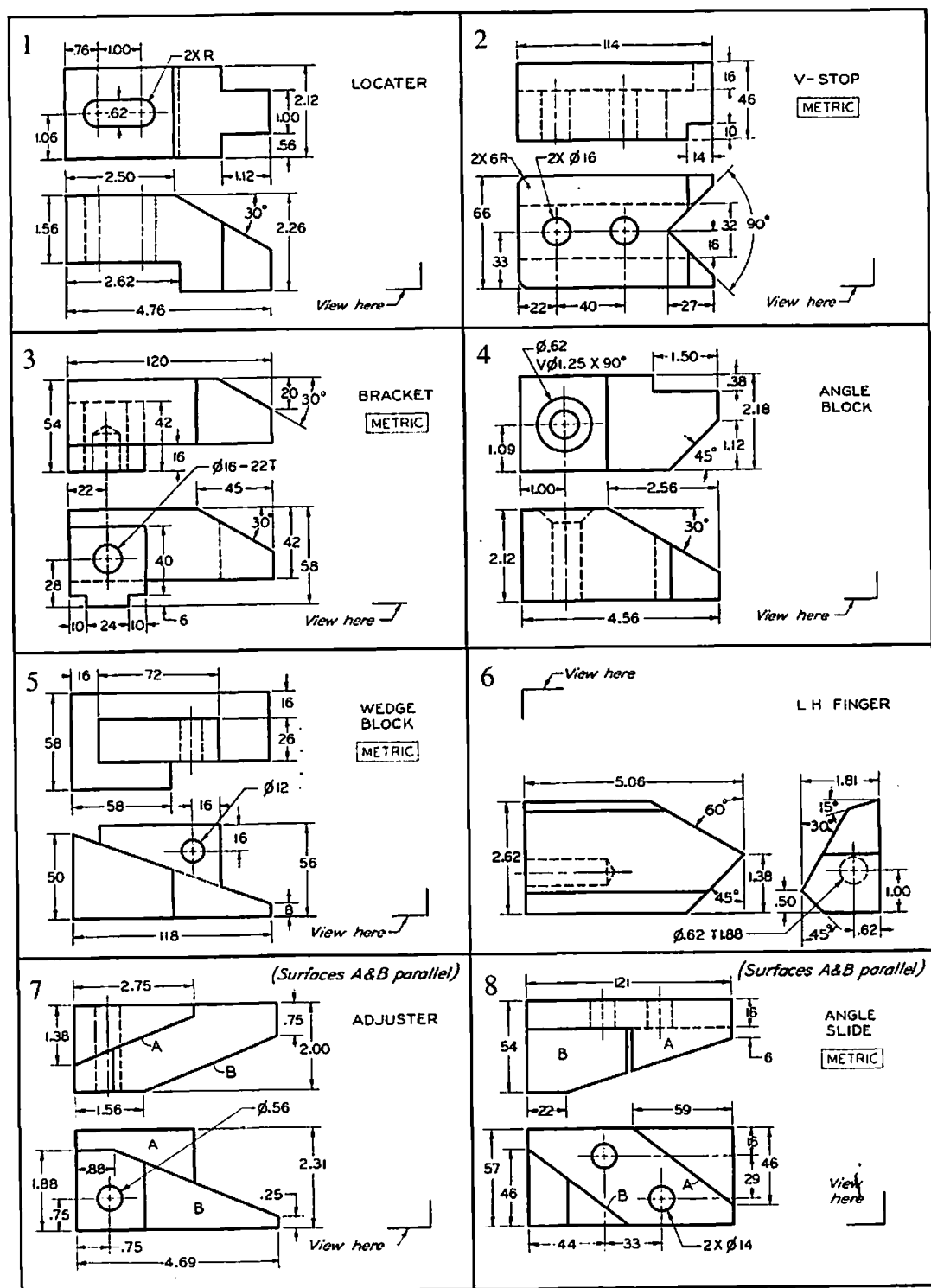


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■ **FIGURE 6.54** ■ Missing-View Problems. Using Layout A-2 or 3 or Layout A4-2 or 3 (adjusted), sketch or draw with instruments the given views, and add the missing view, as shown in Figs. 6.50 and 6.51. If dimensions are required, study §§11.1–11.25. Use metric or decimal-inch dimensions as assigned by the instructor. Move dimensions to better locations where possible.

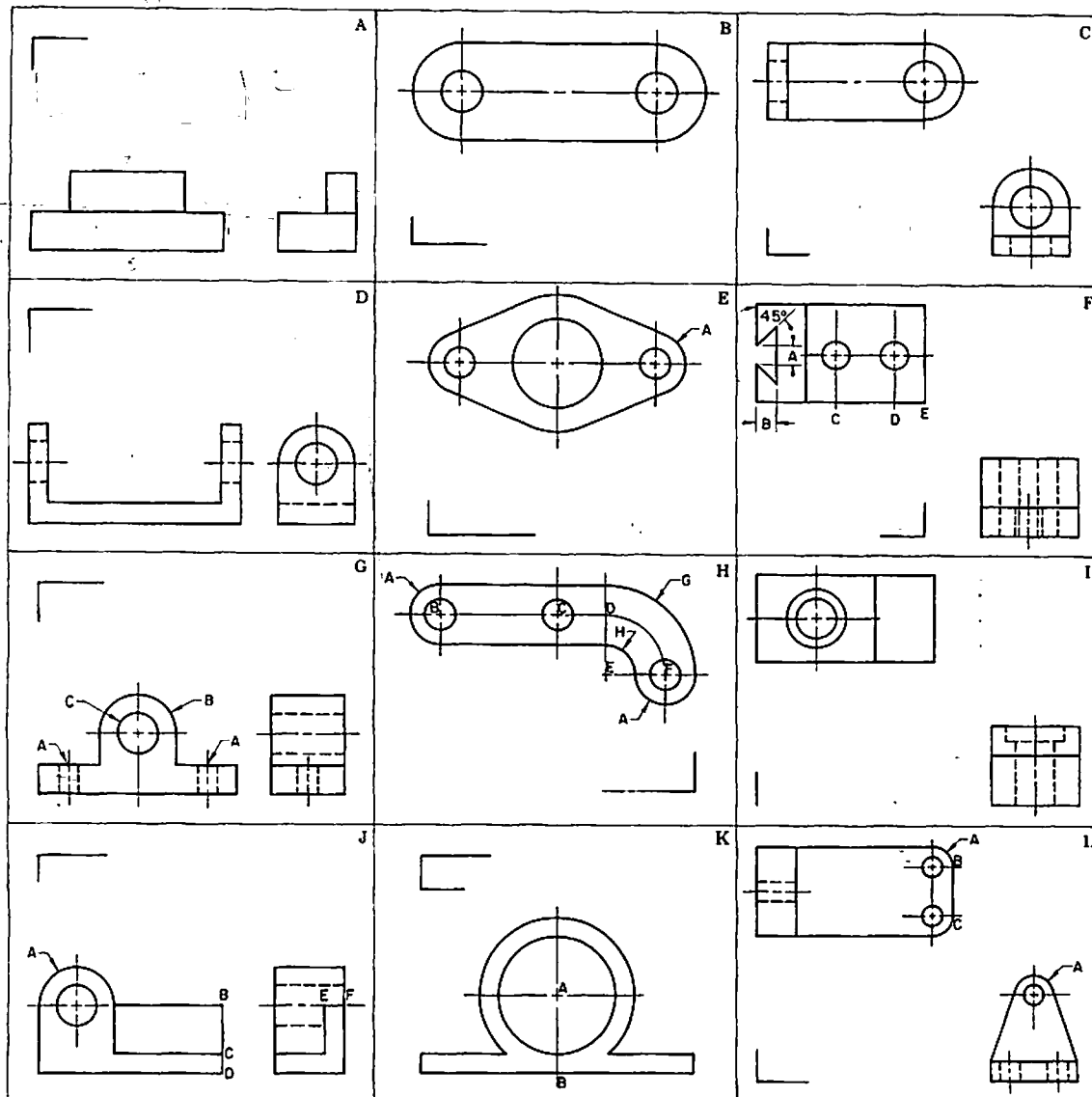


Fig. 5-46 Two- and three-view problems. Problems A through L each have one view missing. Draw the view or views given and complete the remaining view in the proper shape and location. Scale: full size or as assigned. Do not dimension unless instructed to do so.

A STOP: $L = 5$, $W = 2$, $H = 2$, base = $1 \times 2 \times 5$, top = $\frac{3}{4} \times 1 \times 3$.

B LINK: $L = 7\frac{1}{2}$, $W = 2\frac{1}{2}$, thk = $1\frac{1}{4}$, holes = $1\frac{1}{16}$ DIA.

C ANGLE BRACKET: $L = 5$, $W = 2$, $H = 2\frac{1}{4}$, matl thk = $\frac{1}{2}$, holes = 1" DIA.

D SADDLE: $L = 5\frac{1}{2}$, $W = 2$, $H = 2\frac{1}{2}$, matl thk = $\frac{1}{2}$, hole = 1" DIA.

E SPACER: $L = 6\frac{1}{2}$, $W = 3\frac{1}{4}$, thk = 1", holes = $2\frac{3}{8}$ DIA, $\frac{3}{4}$ DIA, $A = \frac{3}{4}$ R.

F DOVETAIL SLIDE: $L = 4\frac{1}{4}$, $W = 2\frac{1}{2}$, $H = 2$, base thk = $\frac{3}{4}$, upright thk = $1\frac{1}{4}$, holes = $\frac{5}{8}$ DIA, $A = \frac{1}{2}$, $B = \frac{1}{2}$, $CD = 1\frac{1}{2}$, $DE = \frac{3}{4}$.

G ROD GUIDE: $L = 5\frac{1}{8}$, $W = 1\frac{7}{8}$, $H = 2\frac{1}{2}$, $C = 1"$ DIA, $A = \frac{1}{2}$ DIA, $3\frac{5}{8}$ apart, base thk = $\frac{3}{4}$, $B = 1"$ R.

H HINGE PLATE: $A = \frac{3}{4}$ R, $BC = 3$, $CD = 1\frac{1}{4}$, $DE = 1\frac{1}{2}$, $EF = 1\frac{1}{2}$, $G = 2\frac{1}{4}$ R, $H = \frac{3}{4}$ R. holes $\frac{3}{4}$ DIA, thk = 1".

I OFFSET LUG: $L = 4\frac{1}{2}$, $W = 2\frac{1}{4}$, $H = 2$, notch = $\frac{3}{4} \times 1\frac{1}{2}$, hole = 1" DIA, Cbore = $1\frac{1}{2}$ DIA $\times \frac{3}{8}$ deep.

J PIN HOLDER: $L = 4\frac{3}{4}$, $W = 1\frac{3}{4}$, $H = 2\frac{3}{4}$, hole = 1" DIA, $A = 1"$ R, $BC = 1\frac{1}{4}$, $BD = 1\frac{3}{4}$, $EF = \frac{1}{2}$.

K RING: base = $\frac{1}{2} \times \frac{7}{8} \times 7$, ring = 4 OD, 3 ID, $AB = 2$.

L BRACKET: $L = 5$, $W = 2\frac{1}{4}$, $H = 2\frac{3}{4}$, base thk = $\frac{1}{2}$, upright = 1", $A = \frac{1}{2}$ R, $BC = 1\frac{1}{4}$, holes = $\frac{1}{2}$ DIA.